

Fig. 1

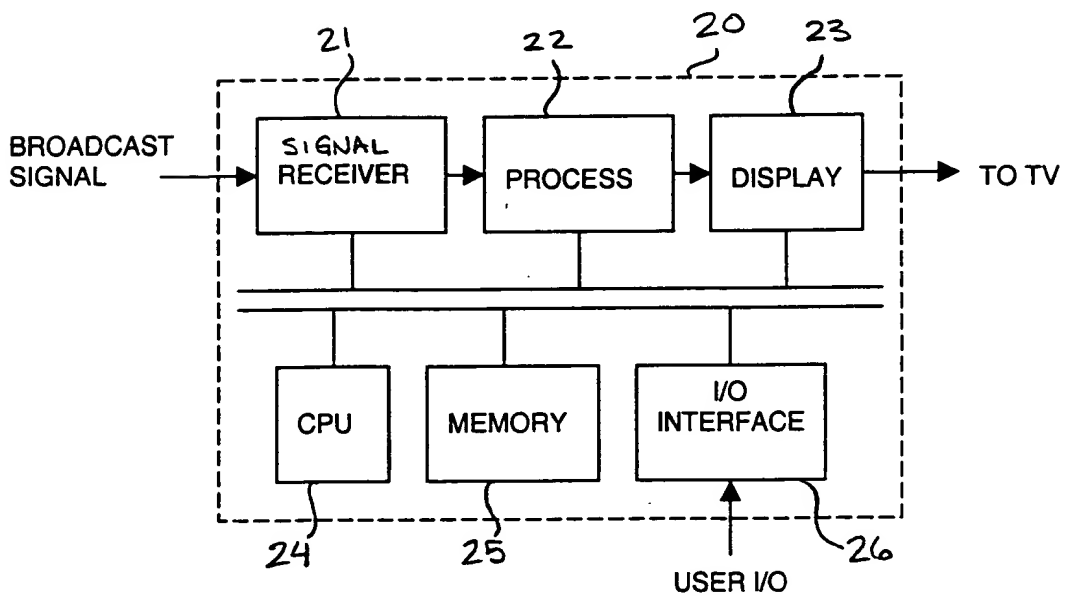


Fig. 2

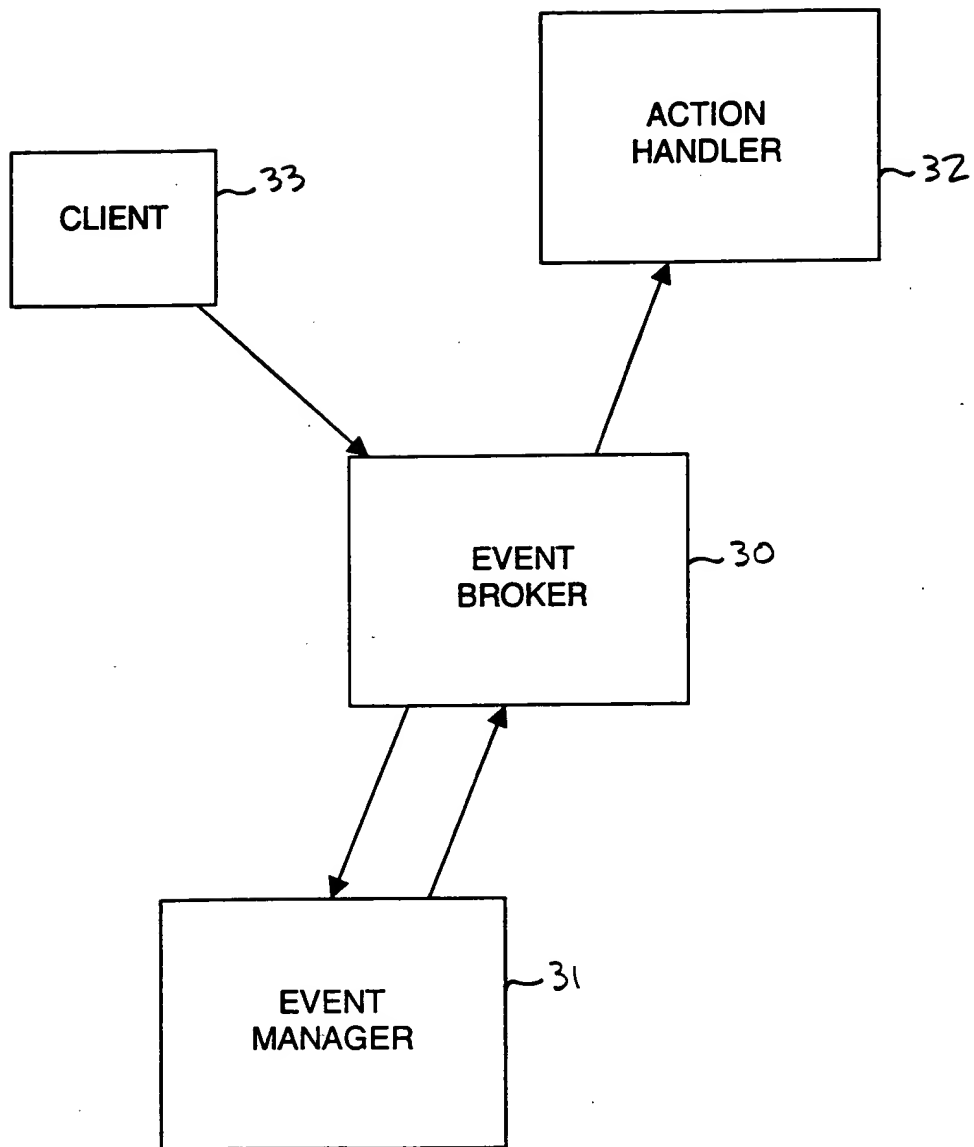


Fig. 3

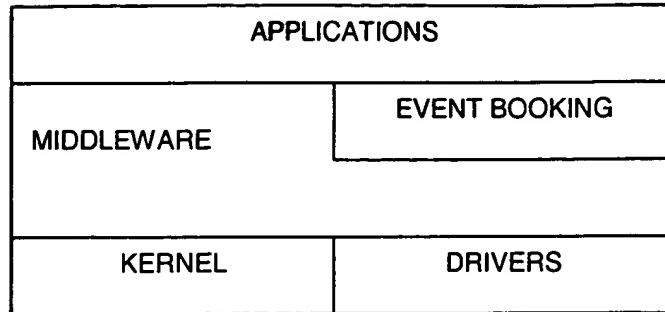


Fig. 4

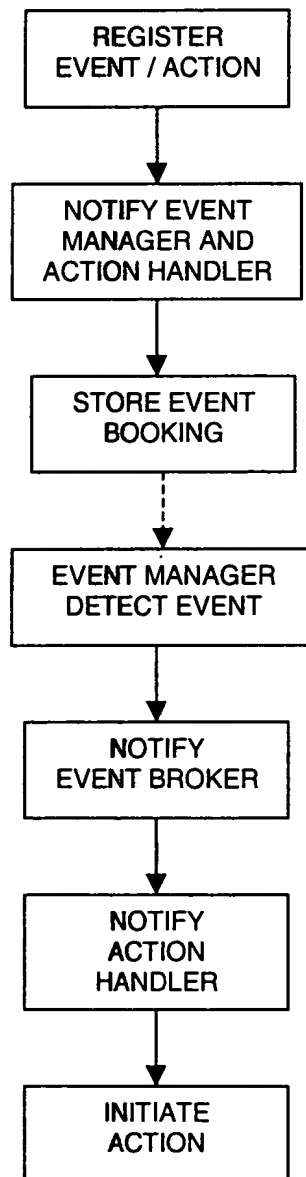


Fig. 5

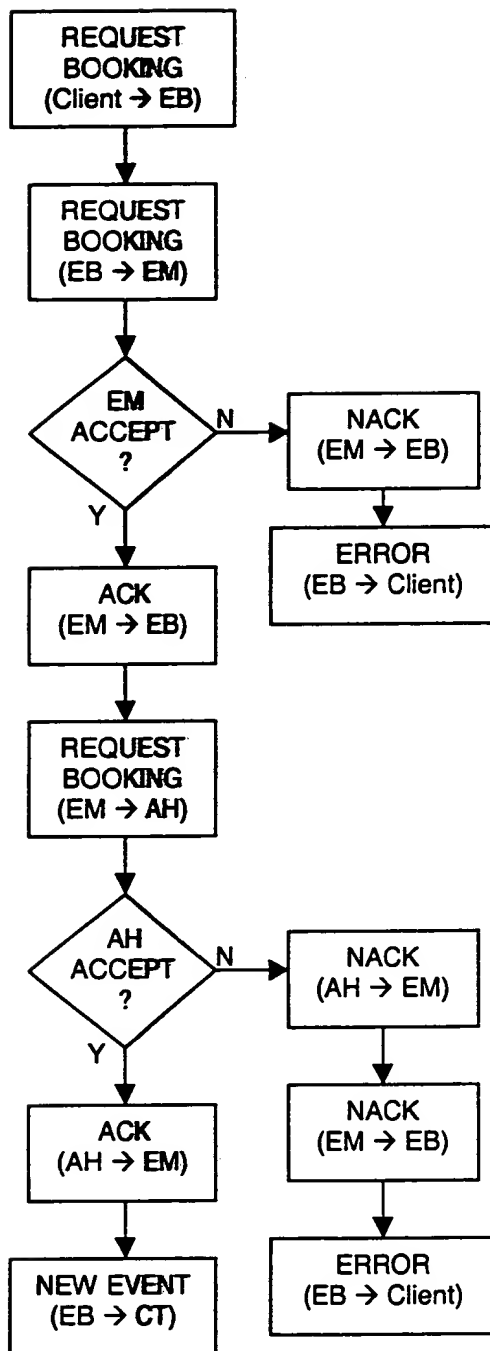


Fig. 6

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graph TD
    Start([NOTIFY OF EVENT  
(EM → EB)]) --> RC{RESOURCE  
CONFLICT  
?}
    RC -- N --> RST1[REQUEST TO START  
(EB → EM)]
    RC -- Y --> HP{HIGHEST  
PRIORITY  
?}
    HP -- Y --> RST2[REQUEST TO SUPERSEDE  
(EB → AH)]
    RST2 --> HA{AH  
ACCEPT  
?}
    HP -- N --> ND[NOTIFY OF DELAY  
(EB → EM)]
    HA -- Y --> RST1
    HA -- N --> ND
    RST1 --> EA{EM  
ACCEPT  
?}
    EA -- N --> AI[ACTION  
IDLE]
    EA -- Y --> RST3[REQUEST TO START  
(EB → AH)]
    RST3 --> AA{AH  
ACCEPT  
?}
    AA -- N --> NA[NOTIFY OF ABORT  
(EB → EM)]
    AA -- Y --> IA[AH  
INITIATE  
ACTION]
    IA --> ACK[ACK  
(AH → EB)]
    ACK --> Start
    ND --> PAT{PENDING  
ACTION  
TERMINATED}
    PAT -- N --> ND
    PAT -- Y --> Start
  
```

Fig. 7

Fig. 7

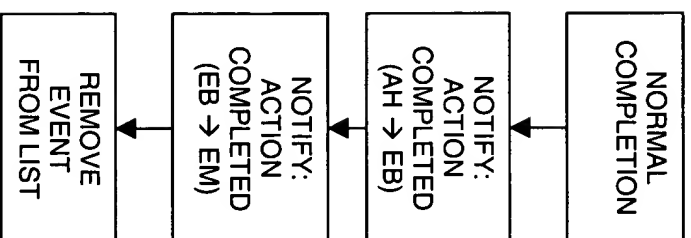


Fig. 8

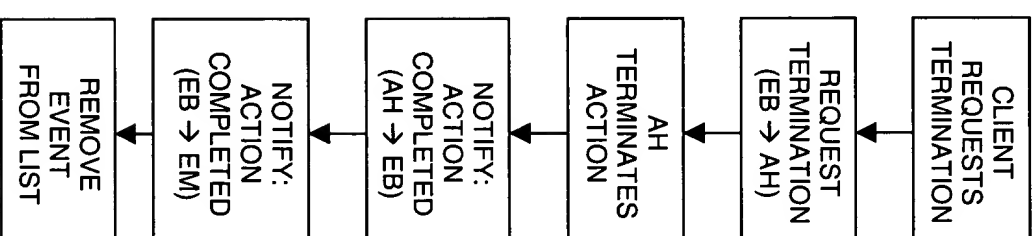


Fig. 9